



XTZ 80 CENTER

Center loudspeaker

User's manual



The XTZ 80 offers a large amount of possibilities, so in order to utilize your new loudspeaker in the best way, you should carefully read through this manual before using the loudspeaker for the first time. It may take some patience in order to have the loudspeaker to sound optimal. If you have no previous experience in these kind of installation, or if you have any questions, feel free to contact our free of charge support and we will help you. (See further under the heading of **Support** on the last page of this manual).

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About XTZ

Philosophy	<p>Our reference and startling point is to recreate a natural sound, but also in respect to the fact that acoustics always is a matter of taste.</p>	
XTZ Goals	<p>Our main goal is provide the best value for the money.</p> <p>Our concept t:</p> <ul style="list-style-type: none">- There should be only one middlemen between manufacturer and customer- Cost effective production- Find the perfect technical compromise	
Contact	<p>Website: www.xtz.se Email: info@xtz.se</p> <p>General agent: FYNDBÖRSEN AB www.fyndborsen.se</p>	

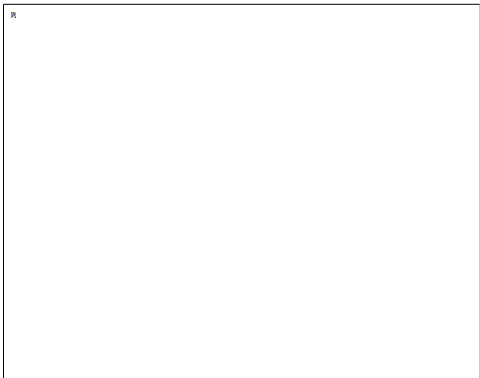
Technical presentation

Cabinet design	<p>The XTZ 80 CENTER is a loudspeaker designed especially for using as the centre channel in the XTZ 80 system. It works however fine when used together with other front speakers.</p> <p>XTZ 80 Center is magnetically shielded so that you can place it near a TV set without interference. The shape of the cabinet is also optimized for placement on a shelf above or below the TV set.</p> <p>Apart from the shield it works just like any "normal" loudspeaker, thus it may be used as a satellite/monitor speaker as well. It works just as fine when standing as when lying.</p> <p>The cabinet is built in strong MDF, which provides good sonic qualities.</p>	
Tweeter driver	<p>For tweeter we have chosen a silk-made soft dome driver. This driver has good qualities, such as a fast transient response and a very smooth frequency graph. In short: a very priceworthy driver.</p>	
Midrange/woofer driver	<p>For midrange/woofer we have chosen two 5 1/4" drivers.</p> <p>The driver is in coated paper and glassfibre which yields good sonic qualities, high strength and low weight. The low weight of the diaphragm together with the powerful magnet yields a very high efficiency. The rubber suspensions along with the quality damp has the benefit of providing good sonic properties and a long life.</p>	
Crossover	<p>We have chosen a -12 dB crossover with good transient response and a minimum of phase shiftings along with high quality capacitors and low impedance coils. (Read more about crossover choice on the XTZ web page.)</p>	

Preparations

Unpacking	Carefully unpack the speaker, and pay attention so you don't brake anything. If possible, save the carton box for future transportations. If there should be a damage on the loudspeaker, please contact your retailer.	
Accessories	2 pcs bass reflex plugs User's manual	

Practice of sound / Installing and placing tips

	This chapter contains common information on loudspeaker placement and installation.	
In which room do you achieve the best sound?	No matter how good the equipment is, in the wrong listening environment it will inevitably sound bad. There are some basic rules concerning a proper loudspeaker installation:	
Reflections	Carpets, curtains and soft furniture absorbs mid range and high frequency sound, and this is preferable. Big empty area, on the contrary, reflects it and produces a hard sound that may lead to a blurry dialogue. Apart from coloring the sound, also the perspective of the sound will deteriorate. Reflections in the room can roughly be compared to the reflections that yield ghost pictures on a TV screen.	
Amplification of bass frequencies	A loudspeaker that is placed near a wall, ceiling or floor will be amplified in the lower frequencies in a sometimes not desirable way (since it may lead to an indistinct sound recreation). This amplification becomes even more obvious if the loudspeaker is placed near a corner. Thus, for a sound as clear as possible, the loudspeaker should be placed at least 30 cm (about 12 inch) away from the wall.	
Furniture	Be aware that furniture may vibrate and thus create bad sound at loud bass.	
Room dimension	Quadratic rooms or rooms where the length is exactly twice as long as the width should be avoided, since they may create unwanted resonance.	
Placement of the loudspeakers	How the loudspeakers are placed towards the listener is of great importance.	
The front speakers	For stereo listening the loudspeakers should be placed symmetrically in front of the listener. The distance between the loudspeakers should be about 80% of the distance between the listener and one loudspeaker, or put in another way: the angle between the loudspeakers, as seen from the listener, should be about 45 degrees. This means for example that if the distance between the loudspeakers is 2 meters, the listener should be placed 2,5 meters from the loudspeakers.	
Angling?	Either you can have the loudspeakers angled in towards the listener or you can have them directed straight ahead. Some loudspeakers sounds better	

Mounting and connecting tips

Mounting alternatives	<p>The XTZ 80 CENTER can be mounted both on a wall, on stands or on a shelf.</p> <p>The bass reflex gate is placed on the rear, so when mounting the speaker near a wall you should use the two supplied bass plugs in the bass reflex gates in order to avoid blowing sound.</p> <p>Apart from the shield it works just like any "normal" loudspeaker, thus it may be used as a satellite/monitor speaker as well. It works just as fine when standing as when lying down.</p>	
Connect using the correct phase	<p>Always connect using the correct phase, from the +-pole on the amplifier to the +-pole on the loudspeaker and corresponding for minus (-).</p>	<p>If you by accident connect the other way, there is no risk of damage. However, the sound will not be correct, especially in the lower frequencies.</p>
Working range	<p>When connected normally you utilize the whole frequency range of the loudspeaker. If you wish the bass tones only to be reproduced by a powered subwoofer, thus that the center speaker should only reproduce midrange and treble tones, you should make sure that the amplifier removes the bass tones. On modern amplifiers/receivers you normally have the possibility of setting the loudspeaker as small or big. If present, you should set them to small.</p>	
Overload	<p>At high load during extensive time periods, there is always the risk of overloading the driver and amplifier.</p>	<p>All loudspeakers have a limited patience for high power, so be careful not to play extremely loud and not to increase treble or bass settings to much.</p> <p>By increasing the bass or treble from 0 to max you will increase the power by about 16 times.</p>
The initial playing time	<p>It takes about 50 to 100 hour of initial playing time, for the driver to sound optimal. During this time, the speaker may be normally used.</p>	

Sound settings

Room-Tuning



Unfortunately normal rooms are often not perfect from a sonic point of view. This can be heard in the appearance of "standing waves" which yields an uneven balance in the tone. This means that the bass may sound very different from one room to another.

By using the supplied bass plugs in the bass reflex gates, you can alter the sonic characteristics of the woofer.

The plugs are mounted in the bass reflex gates.

Without any plugs present:

This mode provides a tight bass.

With both plugs in both gates:

This will provide a less deep bass with a more mellow tone.

With one plug in any gate:

This will provide a deeper bass with a more neutral tone.

You will have to be patient when testing out the optimal adjustments for your own room and taste. Also have in mind that the placement in the room is of great importance.

Technical specifications

Construction type	Bassreflex / Closed	
Dimensions	500 x 160 x 245 mm (Width x Height x Depth)	
Weight	5 kg	
Magnetically shielded	Yes	
Frequency range	38-25000 Hz +/- 6 dB	
Impedance	4-8 ohm	
Connection terminals	Goldplated Banana plug / Pole screw	
Efficiency	90 dB	
Power	120 W	
Tweeter	Silkmade softdome	
Midrange / woofer	2 x 5 1/4" Coated paper	

Service & support

"Do-It-Yourself"-service	<p>We apply "do-it-yourself" service on all XTZ products.</p> <p>If you by yourself are able to find out what part of the loudspeaker is defective, you are fully allowed to unmount that part (which would normally be a driver, a filter or the amplifier) and send it back to us for exchange.</p> <p>However, if you are not certain about how to do it, please contact us before taking the loudspeaker apart. We can also help you finding the fault.</p> <p>You can of course always choose to return the whole loudspeaker, therefore you should save the original package.</p>	<p>To aid service, XTZ are constructed and produced using common technology, so that basically most people are able to "unscrew" the loudspeaker using common tools.</p>
If something is broken	<p>If you cause additional defects by yourself when unmounting the defective part, the warranty still applies if it is obvious that the part had a manufacturing defect. In other cases however, the warranty does not apply if you cause other defects on the loudspeaker.</p>	
Where to send the product for a warranty repair	<p>For service we refer to the general agent:</p> <p>FYNDBÖRSEN AB Gamla Nissastigen 17 314 41 Torup</p> <p>Web site: www.fyndborsen.se E-mail: info@fyndborsen.se Telephone: +46(0)345-20049</p>	<p>ALWAYS pack the product / part very carefully. Unfortunately damages during transportation are very common. If the package is weak, the transporting company does not compensate damages.</p> <p>Always enclose a copy of the receipt and a description of the defect.</p>
Support	<p>Please contact our free of charge support if you need installation advice, or if any problem occur during the installation.</p> <p>Contact us by e-mail support@xtz.se and include your phone number if you wish verbal help, and we will call you back. You can call our general agent FYNDBÖRSEN AB on +46(0)345-200 49.</p>	